The mail delivery robot

The robot must choose its route to pickup the mail. There is a short route and a long route. The long route is slower, but on the short route the robot might slip and fall. The robot can put on pads. This won't change the probability of an accident, but it will make it less severe if it happens. Unfortunately, the pads add weight and slow the robot down. The robot would like to pick up the mail quickly with little/no damage.

What should the robot do?

Our final decision network



